

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Shunpei YAMAZAKI et al

Serial No.: Not Assigned

Filed: Herewith

Art Unit:

For: PRODUCTION APPARATUS AND METHOD
OF PRODUCING A LIGHT-EMITTING DEVICE
BY USING THE SAME APPARATUS

) "Express Mail" Mailing Label No. EV 321708929

) Date of Deposit July 7, 2003

) I hereby certify that this correspondence is being
) deposited with the United States Postal Service
) "Express Mail Post Office to Addressee" service
) under 37 CFR1.10 on the date indicated above
) and is addressed to: Commissioner for Patents,
) P.O. Box 1450, Alexandria, VA 22313-1450

) Name: Yue X. Ruan
) (typed or printed)

) Signature Yue X. Ruan

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. Copies of the references are enclosed herewith for the Examiner's consideration.

The family of JP 2000-294375 cited herein includes:
U.S. Patent No. 6,252,246 B1


No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

A first office action, notice of allowance or issue fee notification has not been received in this case, so Applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,


Mark J. Murphy
Registration No.: 34,225

COOK, ALEX, McFARRON, MANZO,
CUMMINGS & MEHLER, LTD.
200 West Adams Street
Suite 2850
Chicago, Illinois 60606 (312) 236-8500

LIST OF PUBLICATIONS CITED BY APPLICANT			<u>Atty. Docket No.</u> 0553-0371		<u>Serial No.</u> Not Assigned	
			<u>Applicant</u> Shunpei YAMAZAKI et al			
			<u>Filing Date</u> Herewith		<u>Group</u>	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	3,060,429	10/23/62	Winston	346	1	05/16/58
	3,416,153	12/10/68	Hertz et al	346	75	10/08/65
	3,596,275	07/27/71	Sweet	346	1	03/25/64
	3,747,120	07/17/73	Sterme	346	75	01/10/72
	3,946,398	03/23/76	Kyser et al	346	1	06/29/70
	4,620,196	10/28/86	Hertz et al	346	1.1	01/31/85
	5,247,190	09/21/93	Friend et al	257	44	12/28/90
	5,264,376	11/23/93	Abbott et al	437	5	06/24/91
	5,344,676	09/06/94	Kim et al	427	468	10/23/92
	5,399,502	03/21/95	Friend et al	437	1	05/05/93
	5,583,552	12/10/96	Mutoh	347	80	11/10/94
	5,811,020	09/22/98	Alwan	216	42	07/23/97
	5,916,729	06/29/99	Kobayashi et al	430	270.1	02/12/97
	5,952,037	09/14/99	Nagayama et al	427	66	05/08/97
	6,300,021 B1	10/09/01	Georog et al	430	23	06/14/99
	6,348,359 B1	02/19/02	Van Slyke et al	438	29	09/22/00
	US 2002/ 0031874 A1	03/14/02	Yamazaki et al	438	156	03/02/01
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	WO 90/13148	11/01/90	Cambridge Research & Innovation, Ltd.			04/18/90
	JP 10-012377	01/16/98	Seiko Epson Corp.	X		06/19/96
	JP 10-092576	04/10/98	Cambridge Display Technol, Ltd.	X		04/18/97
	JP 10-153967	06/09/98	Seiko Epson Corp	X		11/25/96
	EP 0 880 303	11/25/98	Seiko Epson Corp			11/25/97
	EP 0 892 028	01/20/99	Seiko Epson Corp			07/14/98
	JP 11-040358	02/12/99	Seiko Epson Corp	X		07/16/97
	JP 11-054270	02/26/99	Seiko Epson Corp	X		07/30/97
	JP 11-054272	02/26/99	Seiko Epson Corp	X		07/31/97

LIST OF PUBLICATIONS CITED BY APPLICANT			<u>Atty. Docket No.</u> 0553-0371		<u>Serial No.</u> Not Assigned	
			<u>Applicant</u> Shunpei YAMAZAKI et al			
			<u>Filing Date</u> Herewith		<u>Group</u>	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	3,147,142	09/01/64	Rudo	118	301	01/25/61
	4,226,182	10/07/80	Danielsen et al	101	129	03/13/79
	5,895,932	04/20/99	Bojarczuk Jr et al	257	103	03/05/97
	6,252,246 B1	06/26/01	Arai et al	257	40	06/25/99
	6,403,392 B1	06/11/02	Burrows et al	438	22	11/28/00
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	JP 2000- 268967	09/29/00	TDK Corp	X		03/16/99
	JP 2000- 294375	10/20/00	TDK Corp	X		04/05/99
OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages)						
EXAMINER:				DATE CONSIDERED:		
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.</p>						

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS
(Including Author, Title, Date, Pertinent Pages)

- 1) SWEET, R.G., "High Frequency Recording with Electrostatically Deflected Ink Jets," The Review of Scientific Instruments, vol. 36, no. 2, pp. 131-136, February, 1965.
- 2) PIMBLEY, W.T. et al, "Satellite Droplet Formation in a Liquid Jet," IBM J. Res. Develop., vol. 21, no. 1, pp. 21-30, January, 1977.
- 3) HERTZ, C.H. et al, "Ink Jet Printing of High Quality Color Images," Journal of Imaging Technology, vol. 15, no. 3, pp. 141-148, June, 1989.
- 4) TSUTSUI, T. et al, "Electroluminescence in Organic Thin Films," Photochemical Processes in Organized Molecular Systems, pp. 437-450 (1991).
- 5) BALDO, M.A. et al, "Highly Efficient Phosphorescent Emission from Organic Electroluminescent Devices," Nature, vol. 395, pp. 151-154, September 10, 1998).
- 6) BALDO, M.A. et al, "Very High-Efficiency Green Organic Light-Emitting Devices Based on Electrophosphorescence," Applied Physics Letters, vol. 75, no. 1, pp. 4-6, July 5, (1999).
- 7) SCHENK, H. et al, "Polymers for Light Emitting Diodes," EURODISPLAY '99, Proceedings of the 19th International Display Research Conference, September 6-9, 1999, Berlin, Germany, pp. 33-37 (1999).
- 8) TSUTSUI, T. et al, "High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center," Japanese Journal of Applied Physics, vol. 38, part 2, no. 12B, pp. L1502-L1504, December 15, (1999).
- 9) KIMURA, M. et al, "Low-Temperature Poly-Si TFT Driven Light-Emitting Polymer Displays and Digital Gray Scale for Uniformity," IDW '99, pp. 171-174, 1999.
- 10) HUNTER, I.M. et al, "Design of an Active Matrix Polymer-LED Display with Reduced Horizontal Cross-Talk," IDW '99, pp. 1095-1096, 1999.
- 11) SHIMODA, T. et al, "Technology for Active Matrix Light Emitting Polymer Displays," IDEM 99, pp. 107-110, 1999.
- 12) LEE, J.D. et al, "Two-Dimensional Nozzle Arrangement in a Monolithic Inkjet Printhead for High-Resolution and High-Speed Printing," IDEM 99, pp. 127-130, 1999.
- 13) US Patent Application no. 09/790,234 (pending) to Hiroki et al, filed February 21, 2001, including specification, claims, abstract, drawings and PTO filing receipt.
- 14) US Patent Application no. 10/464,798 (pending) to Yamazaki et al, filed June 18, 2003, including specification, claims, abstract and drawings.

EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.